



## PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TRAP PIMER		CLEANOUT/WALL CLEANOUT
	BALL VALVE		FLOOR CLEANOUT
	BUTTERFLY VALVE		HOSE BIBB
	GATE VALVE		FLOOR DRAIN
	BALANCING VALVE		FLOOR SINK W/ GRATE AS SHOWN
	SHUT OFF VALVE IN CONCRETE YARD BOX		HUB DRAIN
	ANGLE GATE VALVE		PIPE UP OR UP & DN
	LUBRICATED PLUG VALVE		TOP CONNECTION - BRANCH LINE
	CHECK VALVE		FIRE MAIN
	PRESSURE REDUCING VALVE		SPRINKLER LINE
	BACKWATER VALVE		COLD WATER
	UNION		HOT WATER CIRC
	STRAINER		SANITARY SEWER OR WASTE BEL. FLR.
	STRAINER WITH BLOW OFF		COMBINATION WASTE & VENT
	CAP OR PLUG		STORM DRAIN
	BLIND FLANGE		WASTE, OR SOIL ABOVE GRADE OR FLOOR VENT
	CONCENTRIC REDUCER		ROOF DRAIN PIPING OR SD STORM DRAIN
	ECCENTRIC REDUCER		OVERFLOW DRAIN PIPING
	WATER HAMMER ARRESTOR		NATURAL GAS (7"W.C.)
	SOFT COLD WATER		INDUSTRIAL COLD WATER
	SOFT HOT WATER		CONDENSATE DRAIN
	LOW PRESSURE STEAM		
	LOW PRESSURE STEAM CONDENSATE RETURN		

## ABBREVIATIONS

ABV	ABOVE	I.E.	INVERT ELEVATION
AD	ACCESS DOOR	LAV	LAVATORY
ADA	AMERICANS WITH DISABILITIES ACT	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT	MIN	MINIMUM
ASR	AUTO FIRE SPRINKLER RISER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BEL	BELOW	POC	POINT OF CONNECTION
BV	BALL VALVE	PLBG	PLUMBING
BWV	BACKWATER VALVE	PRV	PRESSURE REDUCING VALVE
CD	CONDENSATE DRAIN	PSI	POUNDS PER SQUARE INCH
CFH	CUBIC FEET PER HOUR	RPBFP	REDUCED PRESSURE PRINCIPLE
CI	CAST IRON	SD	STORM DRAIN
CV	CHECK VALVE	SHT	SHEET
CW	COLD WATER	SOV	SHUT-OFF VALVE
CWV	COMBINATION WASTE & VENT	S.S.	STAINLESS STEEL
DN	DOWN	TF	TRAP PRIMER
DTR	DOWN THROUGH ROOF	TYP	TYPICAL
DWG	DRAWING	U	URINAL
DWV	DRAINAGE WASTE AND VENT	UN	UNION
(E)	EXISTING	UTR	UP THRU ROOF
EXIST	EXISTING	VB	VACUUM BREAKER
ELEC	ELECTRICAL	V	VENT
FCO	FLOOR CLEANOUT	VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN	W	WASTE
FDC	FIRE DEPARTMENT CONNECTION	WC	WATER CLOSET
FIN	FINISHED	WHA	WATER HAMMER ARRESTOR
FLR	FLOOR	WCO	WALL CLEANOUT
FT	FEET	W/	WITH
G	GAS		
GV	GATE VALVE		
HD	HUB DRAIN		
HW	HOT WATER		
HWC	HOT WATER CIRCULATING		

## DRAWING LIST

P-0.00 COVER SHEET

P-00.1 NOTES, LEGEND & SCHEDULE

P-1.00 BASEMENT PLAN - WASTE & VENT

P-1.01 BASEMENT PLAN - HOT-COLD WATER AND GAS

P-2.00 FIRST FLOOR PLAN

P3.00 SECOND FLOOR PLAN

P-4.00 ROOF PLAN

## GENERAL NOTES

1. EXISTING WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED, PAINTED OR FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, FINISH AND COLOR.
2. THE LOCATIONS SHOWN OF THE EXISTING UTILITIES ARE APPROXIMATE AND ARE TO IDENTIFY POINTS OF CONNECTIONS FOR NEW UTILITY SERVICES OR FOR COORDINATION OF CLEARANCES BETWEEN EXISTING AND NEW UTILITIES. INDICATION OF EXISTING UTILITIES SHALL NOT BE CONSIDERED AS AN EXACT LOCATION OR A COMPLETE SURVEY OF EXISTING UTILITIES.
3. EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED AS APPROXIMATE AND INCOMPLETE. BEFORE ANY WORK IS STARTED, VERIFY AND COORDINATE ELEVATIONS AND SIZES OF EXISTING UTILITIES. DISCREPANCIES BETWEEN FIELD DATA AND DATA ON PLANS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCIES UNTIL DISCREPANCIES HAVE BEEN RESOLVED.
4. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. SUPERVISE AND DIRECT THE WORK FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
5. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
6. NO HOLES SHALL BE DRILLED OR CUT IN OR THROUGH ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
7. SLEEVE AND GROUT ALL PIPE PENETRATIONS THROUGH FLOOR OR WALLS. USE CALIFORNIA FIRE MARSHALL APPROVED SEALANT FOR THE RATED FLOOR OR WALL PENETRATIONS.
8. PATCH & REFINISH WALLS AND CEILINGS NEW PENETRATIONS AS NECESSARY WITHIN AREA OF CONSTRUCTION. REFINISH TO MATCH EXISTING ADJACENT FIRE RATINGS & FINISHES AS REQUIRED BY CODE.
9. CONTRACTOR SHALL PROVIDE SAW CUTTING OF EXISTING SLAB WHERE PLUMBING PROVISION IS REQUIRED FOR HOOK UP TO THE SYSTEM TO THE (E) POINT OF CONNECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF MATERIALS.
10. CONTRACTOR TO INSURE THAT NO UNDERGROUND UTILITIES ARE PRESENT IN THE AREAS OF DEMOLITION AND EXCAVATION
10. DUST BARRIERS: CONTRACTOR SHALL PROVIDE DUST BARRIERS AS REQUIRED TO PREVENT CONTAMINATION OF THE EXISTING BUILDING FROM DUST AND DEBRIS.
11. STATIC FREE DUST BARRIERS FORMED WITH PLASTIC SHEETS SHALL BE PROVIDED (USING FACILE OR GRIFFOLYN WITH FIRE RATING) WITH THE APPROVAL OF THE CONSTRUCTION MANAGER.
12. WHERE COLD & HOT WATER AND HOT WATER RE-CIRCULATING PIPING ARE BEING REPLACED WITH NEW PIPING, ALL EXISTING SHUT-OFF-VALVE, BALANCING VALVES AND CHECK VALVES, ETC., IN THE SAID PIPE SHALL BE REPLACED WITH NEW LINE SIZE VALVES.

## DEMOLITION NOTES

1. ALL PLUMBING PIPING AND FIXTURES THAT ARE TO BE REMOVED OR REPLACED SHALL BE SALVAGED AND RETURNED TO THE OWNER'S REPRESENTATIVE AND ARE NOTED ON DEMOLITION FLOOR PLANS. ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR PROMPT DAILY REMOVAL FROM THE SITE. THE CONTRACTOR SHALL REMOVE DAILY, ALL DEBRIS FROM THE SITE RESULTING FROM THE WORK AT THE CONCLUSION OF THE DAY. THE AREA OF THE SITE SHALL BE LEFT BROOM CLEAN, IF NOT, UPON NOTIFICATION, OWNER SHALL PERFORM ALL NECESSARY CLEANUP WORK AND BACK CHARGE THE CONTRACTOR FOR THE EXPENSE THUS INCURRED.
2. EXISTING WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED, PAINTED OR FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, FINISH AND COLOR.
3. ALL ITEMS INDICATED WITHIN AREA OF WORK SHALL BE DEMOLISHED OR REMOVED UNLESS NOTED OTHERWISE. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, ITEMS SPECIFIED MATERIALS, EQUIPMENT & FINISHES SCHEDULED TO BE REMOVED SHALL BE STORED FOR REUSE OR DISPOSED OF AS DIRECTED BY THE PROJECT ENGINEER.
4. ALL ABANDON PLUMBING LINES SHALL BE REMOVED BACK TO MAINS & TERMINATED IN A CODE APPROVED MANNER IN AREA OF WORK.

## CONSTRUCTION PHASING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PHASING OF THIS PROJECT.
2. DURING THE CONSTRUCTION PERIOD, THIS BUILDING SHALL STAY FULLY FUNCTIONAL AND OPERATIONAL.
3. CONTRACTOR SHALL SUBMIT A COMPREHENSIVE PHASING SCHEDULE TO THE CONSULTING ENGINEER AND VA FOR APPROVALS PRIOR START OF ANY CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY VA, BUILDING ENGINEER AND/OR VA PERSONNEL IN-CHARGE FOR ANY UTILITY SHUT DOWNS SUCH AS HOT AND COLD WATER, FIRE PROTECTION, SEWER AND DRAINS, NATURAL GAS, STEAM, ELECTRICITY, ETC... 15 DAYS IN ADVANCE.

## PIPING MATERIALS

#	SERVICE	DESCRIPTION
1.	SANITARY WASTE AND VENT PIPING BELOW GRADE:	SERVICE WEIGHT CAST IRON WITH HEAVY DUTY STAINLESS STEEL COUPLINGS. REFER TO SPECIFICATIONS FOR FURTHER DETAIL.
2.	SANITARY WASTE AND VENT PIPING ABOVE GRADE:	SERVICE WEIGHT CAST IRON WITH STAINLESS STEEL COUPLINGS. REFER TO SPECIFICATIONS FOR FURTHER DETAIL.
3.	WATER PIPING BELOW GROUND:	COPPER TYPE K ASTM B88 WITH ANSI B16.22 WROUGHT FITTINGS, 95/5 SOLDER JOINTS AND SCOTCH WRAP.
4.	WATER PIPING ABOVE GROUND:	COPPER TYPE L ASTM B88 WITH ANSI B16.22 WROUGHT FITTINGS, 95/5 SOLDER JOINTS
5.	CONDENSATE DRAIN PIPING:	COPPER TYPE M ASTM B88 WITH ANSI B16.22 WROUGHT FITTINGS, 95/5 SOLDER JOINTS
6.	INSULATION OF DOMESTIC HOT WATER SUPPLY AND INTERIOR CONDENSATE DRAIN PIPING:	REFER TO SPECIFICATIONS.
10.	STORM DRAIN AND OVERFLOW PIPING BELOW GRADE:	SERVICE WEIGHT CAST IRON WITH HEAVY DUTY STAINLESS STEEL COUPLINGS. REFER TO SPECIFICATIONS FOR FURTHER DETAIL.
11.	STORM DRAIN AND OVERFLOW PIPING ABOVE GRADE:	SERVICE WEIGHT CAST IRON WITH STAINLESS STEEL COUPLINGS. REFER TO SPECIFICATIONS FOR FURTHER DETAIL.
12.	FIRE PROTECTION PIPING PIPING ABOVE GRADE:	ASTM A53 BLACK STEEL SCHEDULE 40 PIPING. REFER TO SPECIFICATIONS FOR FURTHER DETAIL.

NO FOREIGN MADE PIPING MATERIALS WILL BE ACCEPTED  
REFER TO SPECIFICATIONS FOR FURTHER DETAILS ON PIPING MATERIALS

<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b>	<b>04/08/2012</b>
<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b>	<b>05/11/2012</b>
<b>CONSTRUCTION DOCUMENTS (100% SUBMITTAL)</b>	<b>06/08/2012</b>
<b>FINAL 100% SUBMISSION</b>	<b>06/20/2012</b>
<b>Revisions:</b>	<b>Date</b>

**ARCHITECT/ENGINEER/CONSULTANTS:**

**GI UMAC** engineers for a sustainable future

617 West Seventh St., Suite 500  
Los Angeles, CA 90017  
T. 213.239.8866 F. 213.239.8


Job No.: 08.12.00135  
Contact: X  
[www.glumac.com](http://www.glumac.com)

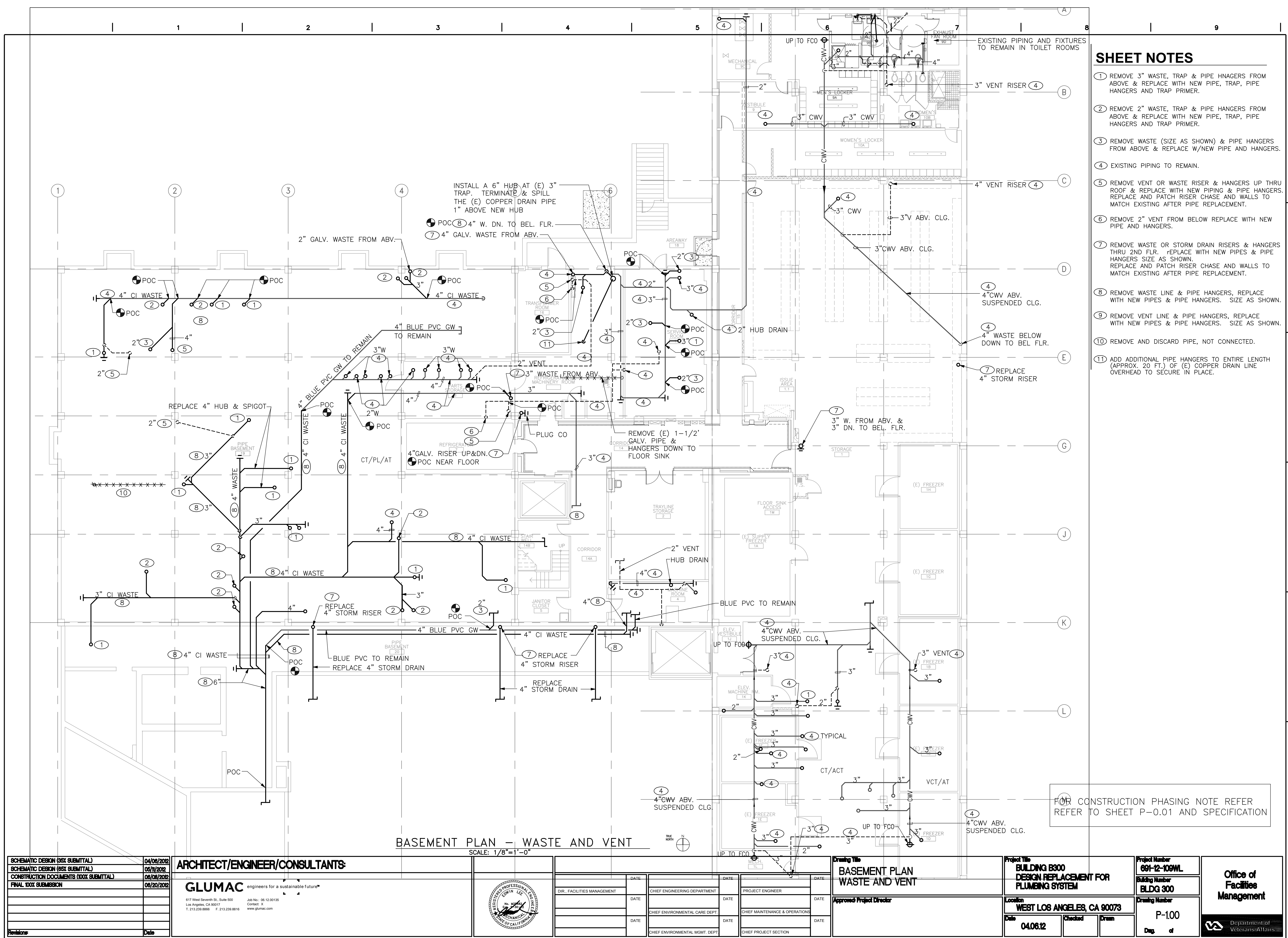


	DATE		DATE		DATE
DIR., FACILITIES MANAGEMENT		CHIEF ENGINEERING DEPARTMENT		PROJECT ENGINEER	
	DATE		DATE		DATE
		CHIEF ENVIRONMENTAL CARE DEPT.		CHIEF MAINTENANCE & OPERATIONS	
	DATE		DATE		DATE
		CHIEF ENVIRONMENTAL MGMT. DEPT.		CHIEF PROJECT SECTION	

**Drawing Title**  
PLUMBING NOTES , LEGEND AND  
SCHEDULE

**Approved Project Director**

<b>Project Title</b> <b>BUILDING B300</b> <b>DESIGN REPLACEMENT FOR</b> <b>PLUMBING SYSTEM</b>			<b>Project Number</b> <b>G91-12-109WL</b>		<div> <b>Office of</b>  <b>Facilities</b>  <b>Management</b> </div> <div>  <b>Department of</b>  <b>Veterans Affairs</b> </div>
			<b>Building Number</b> <b>BLDG 300</b>		
<b>Location</b> <b>WEST LOS ANGELES, CA 90073</b>			<b>Drawing Number</b>  <b>P-0.01</b>		
<b>Date</b> <b>04.06.12</b>	<b>Checked</b>	<b>Drawn</b>	<b>Des. of</b>		



- ① REMOVE 3" WASTE, TRAP & PIPE HANGERS FROM ABOVE & REPLACE WITH NEW PIPE, TRAP, PIPE HANGERS AND TRAP PRIMER.
- ② REMOVE 2" WASTE, TRAP & PIPE HANGERS FROM ABOVE & REPLACE WITH NEW PIPE, TRAP, PIPE HANGERS AND TRAP PRIMER.
- ③ REMOVE WASTE (SIZE AS SHOWN) & PIPE HANGERS FROM ABOVE & REPLACE W/NEW PIPE AND HANGERS.
- ④ EXISTING PIPING TO REMAIN.
- ⑤ REMOVE VENT OR WASTE RISER & HANGERS UP THRU ROOF & REPLACE WITH NEW PIPING & PIPE HANGERS. REPLACE AND PATCH RISER CHASE AND WALLS TO MATCH EXISTING AFTER PIPE REPLACEMENT.
- ⑥ REMOVE 2" VENT FROM BELOW REPLACE WITH NEW PIPE AND HANGERS.
- ⑦ REMOVE WASTE OR STORM DRAIN RISERS & HANGERS THRU 2ND FLR. REPLACE WITH NEW PIPES & PIPE HANGERS SIZE AS SHOWN.  
REPLACE AND PATCH RISER CHASE AND WALLS TO MATCH EXISTING AFTER PIPE REPLACEMENT.
- ⑧ REMOVE WASTE LINE & PIPE HANGERS, REPLACE WITH NEW PIPES & PIPE HANGERS. SIZE AS SHOWN.
- ⑨ REMOVE VENT LINE & PIPE HANGERS, REPLACE WITH NEW PIPES & PIPE HANGERS. SIZE AS SHOWN.
- ⑩ REMOVE AND DISCARD PIPE, NOT CONNECTED.
- ⑪ ADD ADDITIONAL PIPE HANGERS TO ENTIRE LENGTH (APPROX. 20 FT.) OF (E) COPPER DRAIN LINE OVERHEAD TO SECURE IN PLACE.

FOR CONSTRUCTION PHASING NOTE REFER  
REFER TO SHEET P-0.01 AND SPECIFICATION

<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b>	<b>04/08/2012</b>
<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b>	<b>05/11/2012</b>
<b>CONSTRUCTION DOCUMENTS (90% SUBMITTAL)</b>	<b>08/08/2012</b>
<b>FINAL 100% SUBMISSION</b>	<b>06/20/2012</b>
<b>Revisions:</b>	<b>Date</b>

**ARCHITECT/ENGINEER/CONSULTANTS:**

**GLUMAC** engineers for a sustainable future™

617 West Seventh St., Suite 500  
Los Angeles, CA 90017  
T. 213.239.8866 F. 213.239.8816  
Job No.: 06.12.00135  
Contact: X  
[www.glumac.com](http://www.glumac.com)




	DATE		DATE		DATE
DIR. FACILITIES MANAGEMENT		CHIEF ENGINEERING DEPARTMENT		PROJECT ENGINEER	
	DATE		DATE		DATE
		CHIEF ENVIRONMENTAL CARE DEPT		CHIEF MAINTENANCE & OPERATIONS	
	DATE		DATE		DATE
		CHIEF ENVIRONMENTAL MGMT. DEPT		CHIEF PROJECT SECTION	

**Drawing Title**

BASEMENT PLAN  
WASTE AND VENT

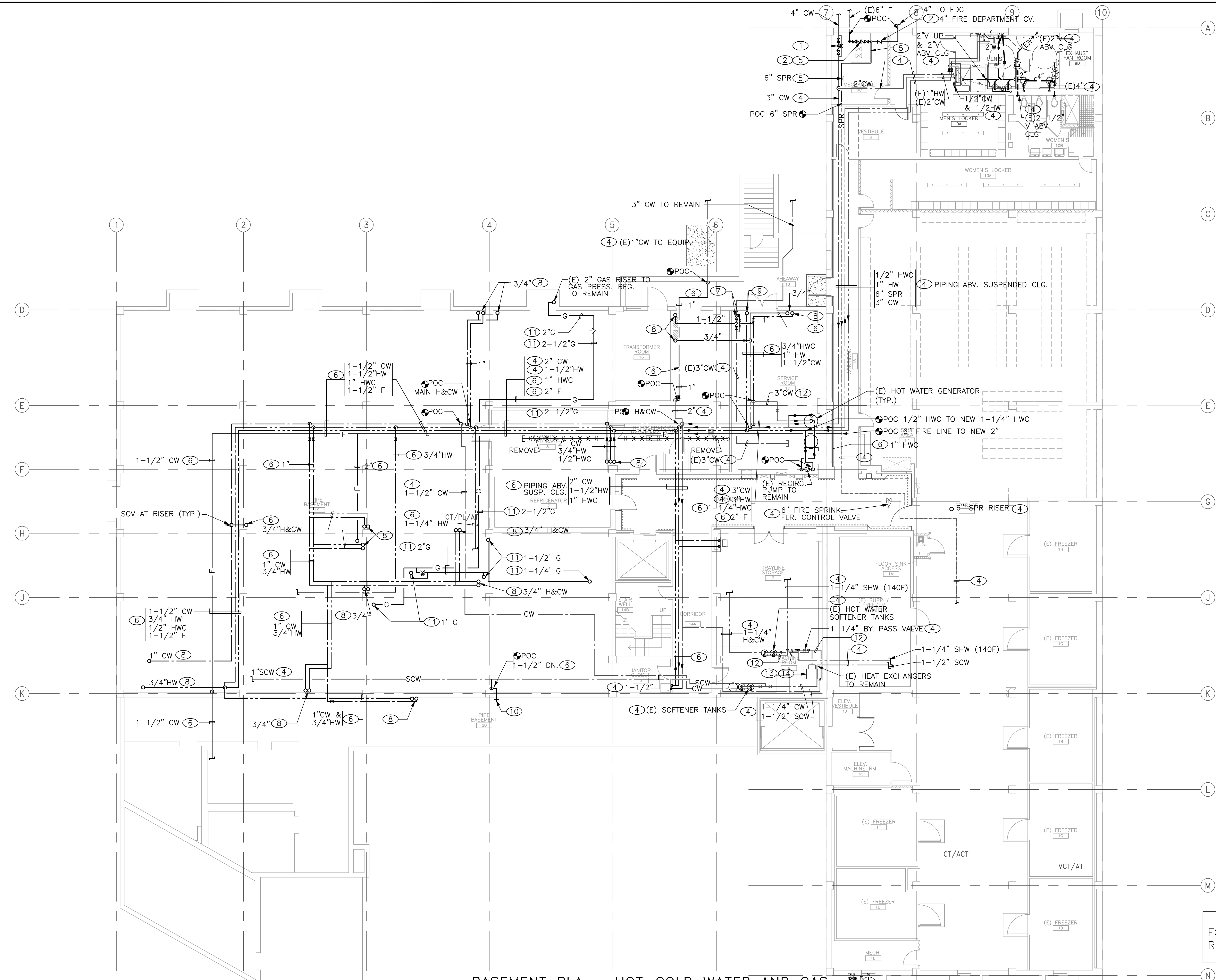
**Approved Project Director**

<b>Project Title</b> <b>BUILDING B300</b> <b>DESIGN REPLACEMENT FOR</b> <b>PLUMBING SYSTEM</b>			<b>Project Number</b> <b>691-12-108WL</b>		<b>Office of</b> <b>Facilities</b> <b>Management</b>
			<b>Building Number</b> <b>BLDG 300</b>		
<b>Location</b> <b>WEST LOS ANGELES, CA 90073</b>			<b>Drawing Number</b>  <b>P-100</b>		
<b>Date</b> <b>04.06.12</b>	<b>Checked</b> 	<b>Drawn</b> 	<b>Dep.</b> <b>of</b>		
					 <b>Department of</b> <b>Veterans Affairs</b>

VA FORM 08-6231, OCT 1978



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



SHEET NOTES

- EXISTING COLD WATER PIPING & BACKFLOW PREVENTER TO REMAIN.
- REPLACE EXISTING 6" FIRE SPRINKLER RISER, BACKFLOW PREVENTER & PIPING WITH NEW 6" UNIT. PROVIDE AND INSTALL NEW PRESSURE GAUGE.
- REPLACE EXISTING FIRE DEPARTMENT CHECK VALVE & PIPING WITH NEW UNIT.
- EXISTING PIPING TO REMAIN.
- REMOVE & REPLACE FIRE SPRINKLER MAIN AND PIPE HANGER WITH NEW PIPE HANGERS & BRACING.
- REMOVE & REPLACE PIPING, VALVES & HANGERS W/NEW PIPES, HANGERS & VALVES, SIZE AS NOTED.
- EXISTING BACKFLOW DEVICE AND INACTIVE WATER MAIN TO REMAIN.
- REMOVE & REPLACE PIPE RISERS, VALVES AND HANGERS WITH NEW PIPE, HANGERS AND VALVES TO FIRST FLOOR. PIPE SIZE AS INDICATED.
- REMOVE & REPLACE 1/2" HOT WATER CIRCULATING RISER & HANGERS UP TO FIRST FLOOR.
- REMOVE & REPLACE HOSE BIBB WITH NEW 3/4" HOSE BIBB WITH VACUUM BREAKER AND MALE THREADED HOSE ADAPTER. ROUGH BRASS
- EXISTING NATURAL GAS PIPING TO REMAIN.
- IN THIS ROOM REMOVE ALL EXISTING BLACK RUBBER PIPE INSULATION FROM ALL HOT WATER SUPPLY AND RECIRCULATING LINES. INSULATE ALL HOT WATER SUPPLY AND RECIRCULATING PIPES AND FITTINGS WITH FIBERGLAS INSULATION.
- INSULATE ALL STEAM AND CONDENSATE RETURN LINES 8 FEET UP STREAM OF THE HEAT EXCHANGERS.
- INSULATE THE HEAT EXCHANGERS

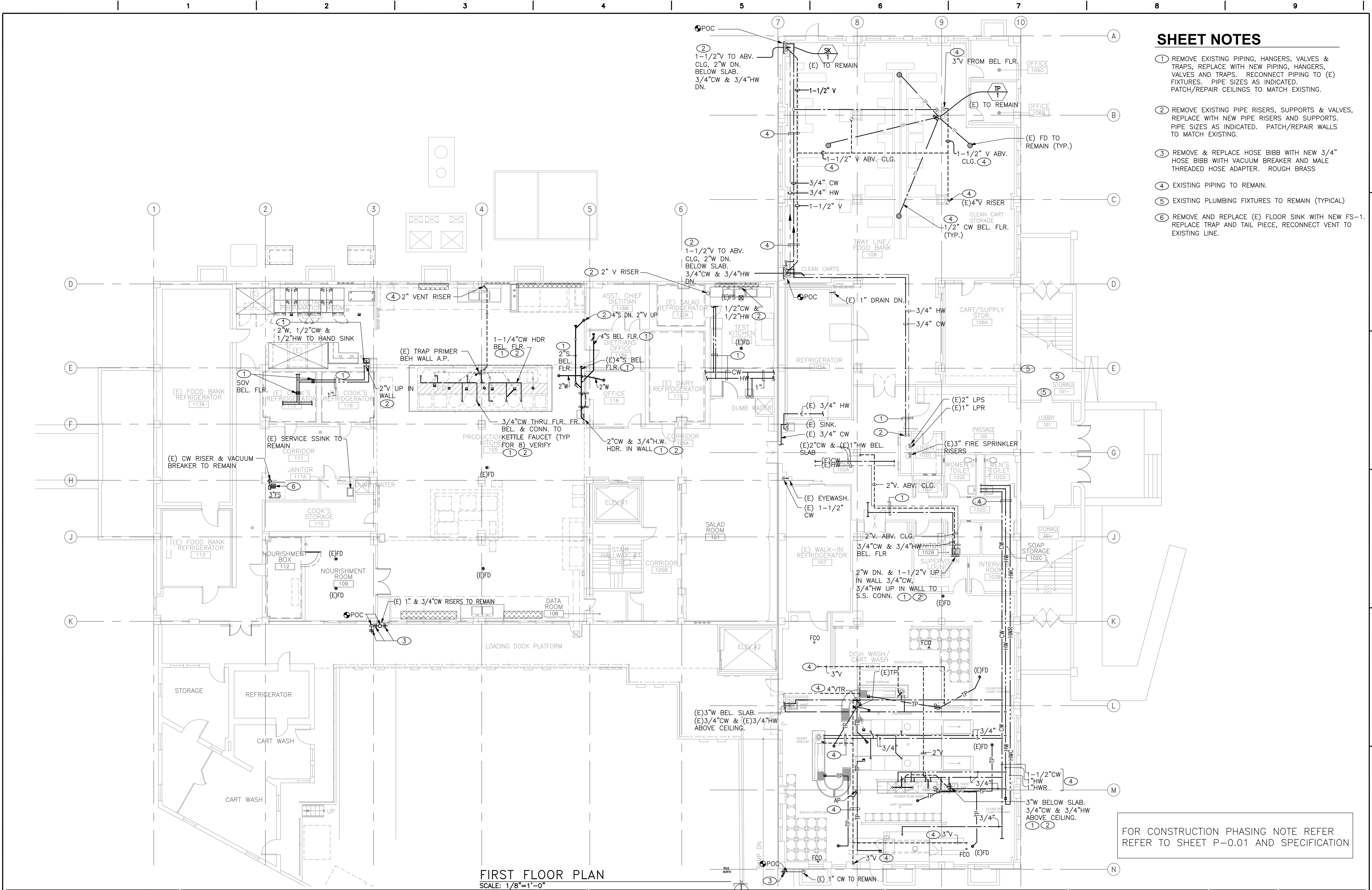
FOR CONSTRUCTION PHASING NOTE REFER TO SHEET P-0.01 AND SPECIFICATION

BASEMENT PLA - HOT-COLD WATER AND GAS  
SCALE: 1/8"=1'-0"

SCHEMATIC DESIGN (85% SUBMITTAL) 04/06/2012		ARCHITECT/ENGINEER/CONSULTANTS:		DATE		Drawing Title		Project Title		Project Number		Office of Facilities Management Department of Veterans Affairs	
SCHEMATIC DESIGN (85% SUBMITTAL) 05/11/2012		GLUMAC engineers for a sustainable future™ 617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 www.glumac.com		DATE		BASEMENT PLAN HOT-COLD WATER AND GAS		BUILDING B300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM		691-12-109WL			
CONSTRUCTION DOCUMENTS (100% SUBMITTAL) 06/06/2012				DATE		PROJECT ENGINEER		WEST LOS ANGELES, CA 90073		Building Number BLDG 300			
FINAL 100% SUBMISSION 06/20/2012				DATE		CHIEF ENGINEERING DEPARTMENT		Checked		Drawing Number P-101			
Revisions		Date		DATE		Approved Project Director		Date		Dwg. of			

VA FORM 06-6231, OCT 1978

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



SHEET NOTES

- 1 REMOVE EXISTING PIPING, HANGERS, VALVES & TRAPS, REPLACE WITH NEW PIPING, HANGERS, VALVES AND TRAPS. RECONNECT PIPING TO (E) FIXTURES. PIPE SIZES AS INDICATED. PATCH/REPAIR CEILINGS TO MATCH EXISTING.
- 2 REMOVE EXISTING PIPE RISERS, SUPPORTS & VALVES, REPLACE WITH NEW PIPE RISERS AND SUPPORTS. PIPE SIZES AS INDICATED. PATCH/REPAIR WALLS TO MATCH EXISTING.
- 3 REMOVE & REPLACE HOSE BIBB WITH NEW 3/4" HOSE BIBB WITH VACUUM BREAKER AND MALE THREADED HOSE ADAPTER. ROUGH BRASS
- 4 EXISTING PIPING TO REMAIN.
- 5 EXISTING PLUMBING FIXTURES TO REMAIN (TYPICAL)
- 6 REMOVE AND REPLACE (E) FLOOR SINK WITH NEW FS-1. REPLACE TRAP AND TAIL PIECE, RECONNECT VENT TO EXISTING LINE.

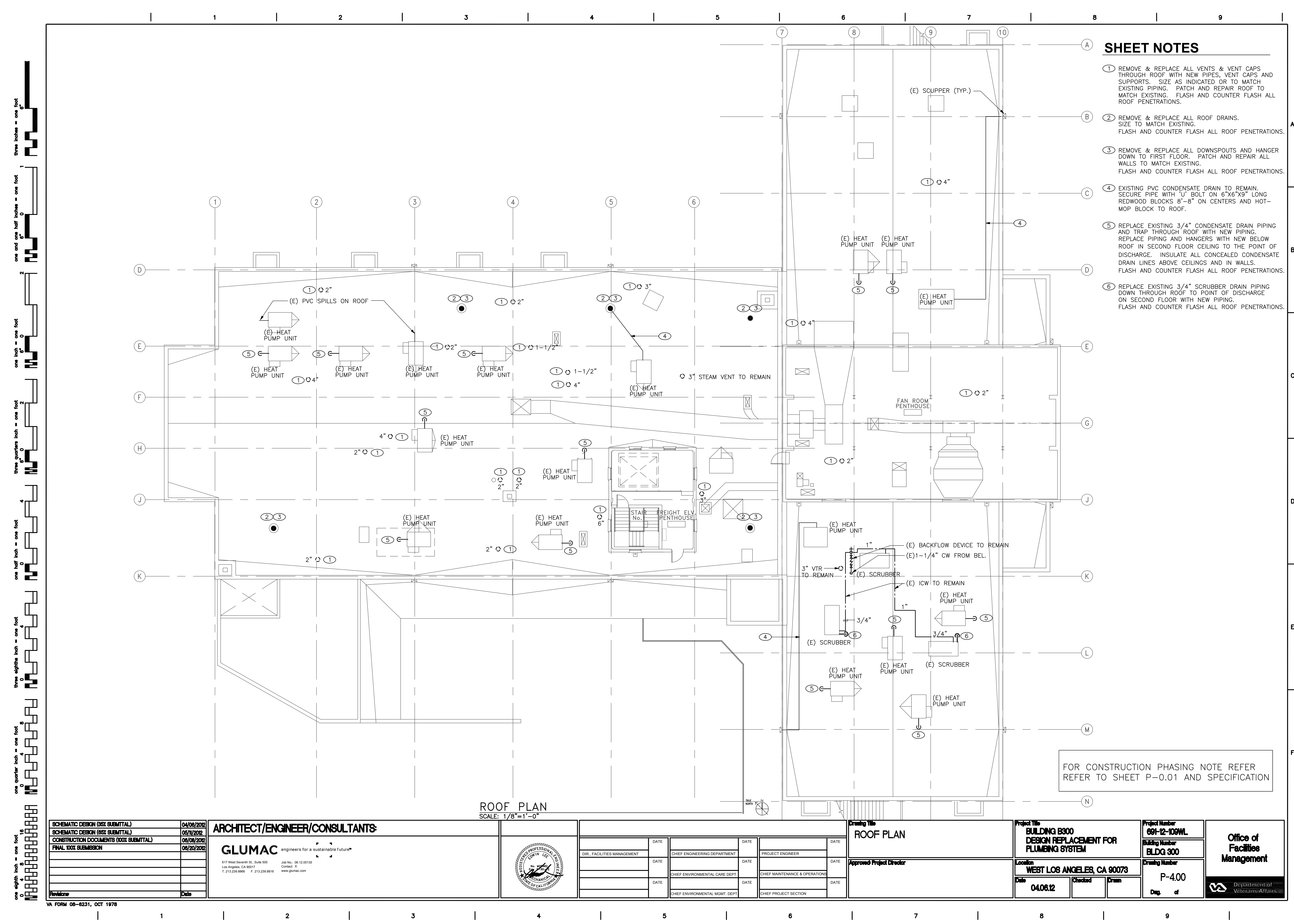
FOR CONSTRUCTION PHASING NOTE REFER TO SHEET P-0.01 AND SPECIFICATION

FIRST FLOOR PLAN  
SCALE: 1/8"=1'-0"

<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b> 04/06/2012 <b>SCHEMATIC DESIGN (65% SUBMITTAL)</b> 05/11/2012 <b>CONSTRUCTION DOCUMENTS (100% SUBMITTAL)</b> 06/06/2012 <b>FINAL 100% SUBMISSION</b> 06/20/2012		<b>ARCHITECT/ENGINEER/CONSULTANTS:</b> <b>GLUMAC</b> engineers for a sustainable future™ 617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 www.glumac.com				<table><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>DIR. FACILITIES MANAGEMENT</td><td>CHIEF ENGINEERING DEPARTMENT</td><td>PROJECT ENGINEER</td><td></td></tr><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td></td><td>CHIEF ENVIRONMENTAL CARE DEPT.</td><td>CHIEF MAINTENANCE &amp; OPERATIONS</td><td></td></tr><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td></td><td>CHIEF ENVIRONMENTAL MGMT. DEPT.</td><td>CHIEF PROJECT SECTION</td><td></td></tr><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr></table>		DATE	DATE	DATE	DATE	DIR. FACILITIES MANAGEMENT	CHIEF ENGINEERING DEPARTMENT	PROJECT ENGINEER		DATE	DATE	DATE	DATE		CHIEF ENVIRONMENTAL CARE DEPT.	CHIEF MAINTENANCE & OPERATIONS		DATE	DATE	DATE	DATE		CHIEF ENVIRONMENTAL MGMT. DEPT.	CHIEF PROJECT SECTION		DATE	DATE	DATE	DATE	<b>Project Title</b> <b>BUILDING B300</b> <b>DESIGN REPLACEMENT FOR</b> <b>PLUMBING SYSTEM</b>		<b>Project Number</b> <b>691-12-109WL</b> <b>Building Number</b> <b>BLDG 300</b>		<b>Office of Facilities Management</b> 	
DATE	DATE	DATE	DATE																																						
DIR. FACILITIES MANAGEMENT	CHIEF ENGINEERING DEPARTMENT	PROJECT ENGINEER																																							
DATE	DATE	DATE	DATE																																						
	CHIEF ENVIRONMENTAL CARE DEPT.	CHIEF MAINTENANCE & OPERATIONS																																							
DATE	DATE	DATE	DATE																																						
	CHIEF ENVIRONMENTAL MGMT. DEPT.	CHIEF PROJECT SECTION																																							
DATE	DATE	DATE	DATE																																						
<b>Approved Project Director</b>						<b>Location</b> <b>WEST LOS ANGELES, CA 90073</b>		<b>Drawing Number</b> <b>P-200</b>		<b>Date</b> <b>04.06.12</b>																															
						<b>Checked</b>		<b>Drawn</b>		<b>Dwg. of</b>																															







SHEET NOTES

- 1 REMOVE & REPLACE ALL VENTS & VENT CAPS THROUGH ROOF WITH NEW PIPES, VENT CAPS AND SUPPORTS. SIZE AS INDICATED OR TO MATCH EXISTING PIPING. PATCH AND REPAIR ROOF TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 2 REMOVE & REPLACE ALL ROOF DRAINS. SIZE TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 3 REMOVE & REPLACE ALL DOWNSPOUTS AND HANGER DOWN TO FIRST FLOOR. PATCH AND REPAIR ALL WALLS TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 4 EXISTING PVC CONDENSATE DRAIN TO REMAIN. SECURE PIPE WITH 'U' BOLT ON 6"x6"x9" LONG REDWOOD BLOCKS 8"-8" ON CENTERS AND HOT-MOP BLOCK TO ROOF.
- 5 REPLACE EXISTING 3/4" CONDENSATE DRAIN PIPING AND TRAP THROUGH ROOF WITH NEW PIPING. REPLACE PIPING AND HANGERS WITH NEW BELOW ROOF IN SECOND FLOOR CEILING TO THE POINT OF DISCHARGE. INSULATE ALL CONCEALED CONDENSATE DRAIN LINES ABOVE CEILINGS AND IN WALLS. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 6 REPLACE EXISTING 3/4" SCRUBBER DRAIN PIPING DOWN THROUGH ROOF TO POINT OF DISCHARGE ON SECOND FLOOR WITH NEW PIPING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.

ROOF PLAN  
SCALE: 1/8"=1'-0"

FOR CONSTRUCTION PHASING NOTE REFER TO SHEET P-0.01 AND SPECIFICATION

SCHEMATIC DESIGN (35% SUBMITTAL)	04/06/2012
SCHEMATIC DESIGN (65% SUBMITTAL)	05/11/2012
CONSTRUCTION DOCUMENTS (100% SUBMITTAL)	06/06/2012
FINAL 100% SUBMISSION	06/20/2012
Revisions:	Date

ARCHITECT/ENGINEER/CONSULTANTS:

GLUMAC engineers for a sustainable future™

617 West Seventh St., Suite 500  
Los Angeles, CA 90017  
T: 213.239.8866 F: 213.239.8816  
www.glumac.com

Job No.: 06-12-00135  
Contact: X  
www.glumac.com



DIR. FACILITIES MANAGEMENT	DATE	CHIEF ENGINEERING DEPARTMENT	DATE	PROJECT ENGINEER	DATE
	DATE	CHIEF ENVIRONMENTAL CARE DEPT.	DATE	CHIEF MAINTENANCE & OPERATIONS	DATE
	DATE	CHIEF ENVIRONMENTAL MGMT. DEPT.	DATE	CHIEF PROJECT SECTION	DATE

Drawing Title
ROOF PLAN
Approved Project Director

Project Title
BUILDING B300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM
Location
WEST LOS ANGELES, CA 90073
Date
04.06.12
Checked
Drawn

Project Number
691-12-109WL
Building Number
BLDG 300
Drawing Number
P-4.00
Desg. of

Office of  
Facilities  
Management

